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Dynamic pressure type bearing for spindle motors of disk drives, has spacer ring having width equal to the sum of the double side thrust bearing gap and thrust board width

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Novelty: The bearing has a spacer ring (9) positioned between base (7c1) of bearing housing (7) and the lower end face (8b) of the bearing (8). The width (W) of the spacer, is equal to the sum of the double-sided thrust bearing gaps (S3,S4) and the width (W1) of the thrust board (2b).

Use: For spindle motors used in disk drives such as HDD, FDD, CD-ROM and DVD-ROM, MD drives.

Advantage: Reduces manufacturing cost as accurate positioning and specified thrust bearing gap are ensured by the spacer ring.

Description of Drawing(s): The figure shows a cross-sectional view of dynamic pressure type bearing.

Thrust board 2b

Bearing housing 7

Base 7c1

Bearing 8

Lower end face 8b

Spacer ring 9

Thrust bearing gaps S3,S4

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